

Communications Engineering Technology

Two-year post-secondary diploma program; option to exit with certificate after year 1.

Please read and think about the following information below carefully to decide whether this program is a good fit for you. This information may change and is simply intended to offer you a helpful perspective on what you will experience in this program.

Orientation:	Typically during the last week of August (Required for all students).
Program Dates:	First week of September through end of April each year.
Scheduled Breaks:	Last week of December and first week of January (two weeks); first week of March (one week). Check your registration for exact dates.
Post-Graduation Work Permit length:	Diploma: up to 3 years; Certificate: up to 8 months.
Schedule:	Monday to Friday as early as 8 a.m and as late as 6 p.m., 6-7 hours of class each day.
Campus Location:	1430 Victoria Avenue East, Brandon, Manitoba. See campus information here

What You'll Study:

Learn to support the design, development and repair of communication systems, such as voice, video, data, wi-fi and Bluetooth. Develop the skills necessary to create, manufacture, install and analyze different types of communication technologies. Study and practice with various circuits, systems, equipment and computer networks and programs.
Perfect your abilities in related mathematics and writing skills.

See course descriptions on the [Communications Engineering Technology](#) page under 'Courses and Costs'.

How You'll "Learn By Doing"

- Combine theory with real-world applications. Much of the program will be "hands-on", solving problems and analyzing "real-world" uses of the equipment and systems in specialized labs and classrooms.
- Frequently work in teams on projects.
- In Year 2, you will "tie together" your learning by researching, designing and developing a wireless telecommunications related project. These projects are sponsored by industry partners/businesses. Students prepare a formal report and presentation, documenting the design and testing process.

- You will need to be **very** comfortable with the Windows operating system and able to learn **new** software programs and other technology, quickly and correctly. If you have doubts, try Quizzes 1, 2, 3A, 4, 5 and 7 here: <https://www.digitalliteracyassessment.org/> If you score less than 90% in these quizzes, Communications Engineering Technology may *not* be a good choice for you.
- See video [here](#).

What You'll Need to Do to Graduate

- **Attend all classes**, activities and field trips; arrive on time every day. Do **not** plan vacation/a trip home outside of regularly scheduled college breaks.
- **Purchase all required books and supplies.**
- **Work co-operatively in teams and behave respectfully** to all students, staff and partners.
- **Manage physical demands** like working with small circuits/tools as well as large equipment.
- **Pass all courses with a C (60%) minimum.** Re-testing is generally not an option. If you fail a course, it may not be available again until the following year.
- **English only during class.** All English skills (reading, writing, listening, speaking) are important. Evaluation will include tests, group projects, presentations, public events and research papers.
- **No personal cell phone use during class.**
- **Do your own work.** Cheating, not referencing sources of your ideas, or using other people's work ((current or previous) could result in failing grades, probation or suspension.
- **Ask for help** when you need it!

How Assiniboine College Can Help You

- Trained instructors will share their knowledge and experience from the industry, and will give you frequent and specific feedback on your progress.
- Learning Commons staff available to assist with study skills, like test-taking and writing papers.
- Student advising staff offer support for academic planning and can refer you to resources outside the college such as counselling, housing, and other supports.
- A Regulated International Student Immigration Advisor can answer questions related to permits.

Job Options for Graduates

- Graduates find jobs as engineering technologists in the communications industry in areas such as computer-aided design, electronic design and repair, computer programming, network design, communication systems installation or design or project management.
- For more information, click "Careers and Connections" on [program webpage](#).
- Assiniboine has an on-campus student branch of the Institute of Electrical and Electronic Engineers (IEEE) — a network of college and university students and industry professionals.
- **Possible in-demand occupations:** [2241](#) Electrical and electronics engineering technologists and technicians, [2242](#) Electronic service technicians (household and business equipment), [7246](#) Telecommunications installation and repair workers

Questions about this information? Or, would you like to discuss your program choice? Please contact Assiniboine International at 204-725-8700, ext. 6640 or bridgea@assiniboine.net